

**MICROORGANISMS AND PROCESSES FOR ENHANCED
PRODUCTION OF PANTOTHENATE**

Abstract of the Disclosure

5 The present invention features improved methods for the enhanced
production of pantoate and pantothenate utilizing microorganisms having modified
pantothenate biosynthetic enzyme activities and having modified
methylenetetrahydrofolate (MTF) biosynthetic enzyme activities. In particular, the
invention features methods for enhancing production of desired products by increasing
10 levels of a key intermediate, ketopantoate, by increasing enzymes or substrates that
contribute directly or indirectly to its synthesis. Recombinant microorganisms and
conditions for culturing same are also are featured. Also featured are compositions
produced by such microorganisms.